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July 31, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of June 2020.

Sincerely,

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		JUNE 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	120,666,747
	MWH sales:		
2	Total System Sales		5,259,518
3	Less intersystem sales		410,802
4	Total sales less intersystem sales		4,848,716
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.4886
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.4825
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		799,242
8	Oil		677
9	Natural Gas - Combustion Turbine		171,708
10	Natural Gas - Combined Cycle		1,563,161
11	Biogas		2,604
12	Total Fossil		2,537,392
13	Nuclear		2,261,715
14	Hydro - Conventional		62,628
15	Solar Distributed Generation		23,341
16	Total MWH generation		4,885,076

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		JUNE 2020
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	35,153,374
0501310 fuel oil consumed - steam		929,435
Total Steam Generation - Account 501		36,082,809
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		13,379,089
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		4,095,674
0547000 natural gas capacity - Combustion Turbine		1,038,342
0547000 natural gas consumed - Combined Cycle		16,855,355
0547000 natural gas capacity - Combined Cycle		12,493,524
0547106 biogas consumed - Combined Cycle		110,187
0547200 fuel oil consumed		64,539
Total Other Generation - Account 547		34,657,621
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		34,556,939
Fuel and fuel-related component of DERP purchases		173,105
PURPA purchased power capacity		5,796,342
DERP purchased power capacity		40,294
Total Purchased Power and Net Interchange - Account 555		40,566,681
Less:		
Fuel and fuel-related costs recovered through intersystem sales		5,417,741
Solar Integration Charge		(31)
Total Fuel Credits - Accounts 447/456		5,417,709
Total Costs Included in Base Fuel Component	$	119,268,491
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	67
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		1,467,751
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		45,284
Less emissions expense recovered through intersystem sales - Account 447		24,277
Total Costs Included in Environmental Component		1,398,257
Fuel and Fuel-related Costs excluding DERP incremental costs	$	120,666,747
DERP Incremental Costs		237,913
Total Fuel and Fuel-related Costs	$	120,904,660

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		JUNE 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	20,253
Shared Solar Program		829
Total DERP Avoided Costs		21,082
DERP Incremental Costs		
Purchased Power Agreements		104
DERP NEM Incentive		95,392
Solar Rebate Program - Amortization		47,775
Solar Rebate Program - Carrying Costs		40,219
Shared Solar Program		6,502
NEM Avoided Capacity Costs		2,889
NEM Meter Costs		10,399
General and Administrative Expenses		34,616
Interest on under-collection due to cap		17
Total DERP Incremental Costs	$	237,913

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JUNE 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 7,036,794	$ 5,561,145	22,020	$ 1,475,649	-
City of Fayetteville	893,653	891,000	413	2,653	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	2,729,430	2,325,120	10,869	404,310	-
PJM Interconnection, LLC.	(9,512)	-	-	(9,512)	-
Southern Company Services	3,793,660	1,374,647	113,643	2,419,012	-
DE Carolinas - Native Load Transfer	1,589,314	-	115,874	1,573,085	$ 16,229
DE Carolinas - Native Load Transfer Benefit	313,497	-	-	313,497	-
DE Carolinas - Fees	1,115	-	-	1,115	-
Energy Imbalance	10,762	-	697	9,712	1,050
Generation Imbalance	191	-	33	175	16
	$ 16,387,454	**$ 10,180,462**	**263,549**	**$ 6,189,696**	**$ 17,295**
Act 236 PURPA Purchases					
Renewable Energy	$ 17,837,779	-	255,124	$ 17,837,779	-
DERP Qualifying Facilities	213,399	-	5,937	213,399	-
Other Qualifying Facilities	16,325,807	-	293,028	16,325,807	-
	$ 34,376,985	-	**554,089**	**$ 34,376,985**	-
Total Purchased Power	**$ 50,764,439**	**$ 10,180,462**	**817,638**	**$ 40,566,681**	**$ 17,295**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JUNE 2020

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 987,180	$ 652,500	11,716	$ 181,957	$ 152,723
PJM Interconnection, LLC.	103,006	-	3,763	62,935	40,071
Other:					
DE Carolinas - Native Load Transfer Benefit	$ 346,348	-	-	$ 346,348	-
DE Carolinas - Native Load Transfer	5,357,955	-	395,298	4,896,007	$ 461,948
Generation Imbalance	64	-	25	55	9
Total Intersystem Sales	**$ 6,794,553**	**$ 652,500**	**410,802**	**$ 5,487,302**	**$ 654,751**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JUNE 2020

Schedule 4
Page 1 of 3

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,848,716,348
2	DERP Net Metered kWh generation	Input					2,191,660
3	Adjusted System kWh sales	L1 + L2					4,850,908,008
4	Actual S.C. Retail kWh sales	Input	153,355,563	20,375,959	299,001,126	6,278,683	479,011,331
5	DERP Net Metered kWh generation	Input	1,337,934	26,799	826,926		2,191,660
6	Adjusted S.C. Retail kWh sales	L4 + L5	154,693,497	20,402,758	299,828,052	6,278,683	481,202,991
7	Actual S.C. Demand units (kw)	L32 / 31b *100			642,150		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$99,726,982
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$70,274
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$99,797,256
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.057
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,182,494	$419,744	$6,168,333	$129,171	$9,899,742
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($37,246)	($3,674)	($29,453)	$0	($70,374)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,145,248	$416,070	$6,138,880	$129,171	$9,829,368
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.074	2.075	2.075	2.075	2.075
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,181,127	$422,801	$6,204,273	$130,283	$9,938,484
17	DERP NEM incentive - fuel component	Input	($5,096)	($503)	($4,030)	$0	($9,629)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,176,031	$422,298	$6,200,243	$130,283	$9,928,855
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($30,783)	($6,228)	($61,363)	($1,112)	($99,486)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($30,783)	($6,228)	($61,363)	($1,112)	($99,486)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.659	0.489			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			124		
23	Incurred S.C. base fuel - capacity expense	Input	$1,010,609	$99,692	$799,159		$1,909,460
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.692	0.522			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,060,883	$106,363	$590,770	$0	$1,758,016
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($50,274)	($6,671)	$208,389	$0	$151,444
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($50,274)	($6,671)	$208,389	$0	$151,444
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.048	0.035			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			9		
30	Incurred S.C. environmental expense	Input	$73,110	$7,212	$57,813		$138,135
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.074	0.057			
31b	Billed environmental rate (¢/kW)	Input			10		
32	Billed S.C. environmental revenue	L31a * L4 /100	$114,155	$11,614	$64,215		$189,984
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($41,045)	($4,402)	($6,402)	$0	($51,849)
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($41,045)	($4,402)	($6,402)	$0	($51,849)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.007	0.005			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			1.374		
37	Incurred S.C. DERP avoided cost expense	Input	$11,158	$1,101	$8,823		$21,082
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.003			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$4,567	$611	$0		$5,178
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$6,591	$490	$8,823	$0	$15,904
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$6,591	$490	$8,823	$0	$15,904
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($115,511)	($16,811)	$149,447	($1,112)	$16,013

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JUNE 2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$8,184,894					
March 2020 - actual	6,703,728	($500,048)	($60,906)	($900,533)	($19,679)	($1,481,166)
April 2020 - actual	4,364,676	(697,174)	(89,196)	(1,518,585)	(34,097)	(2,339,052)
May 2020 - actual	4,577,719	65,636	6,313	137,505	3,589	213,043
June 2020 - actual	4,478,233	(30,783)	(6,228)	(61,363)	(1,112)	(99,486)
July 2020 - forecast	5,053,154	204,920	26,341	335,721	7,939	574,921
August 2020 - forecast	5,147,427	33,598	4,280	55,097	1,298	94,273
September 2020 - forecast	4,240,535	(312,037)	(41,877)	(540,184)	(12,794)	(906,892)
October 2020 - forecast	2,563,493	(499,128)	(82,935)	(1,069,520)	(25,459)	(1,677,042)
November 2020 - forecast	2,677,998	35,229	5,542	72,006	1,728	114,505
December 2020 - forecast	3,375,115	247,673	31,035	408,609	9,800	697,117
January 2021 - forecast	3,371,535	(1,448)	(149)	(1,937)	(46)	(3,580)
February 2021 - forecast	3,218,268	(59,835)	(6,508)	(84,895)	(2,029)	(153,267)
March 2021 - forecast	3,024,238	(70,241)	(8,803)	(112,298)	(2,688)	(194,030)
April 2021 - forecast	1,676,245	(425,476)	(66,490)	(836,015)	(20,012)	(1,347,993)
May 2021 - forecast	1,028,842	(194,435)	(32,697)	(410,451)	(9,820)	(647,403)
June 2021 - forecast	$ 339,039	(221,168)	(33,738)	(424,799)	(10,098)	($689,803)

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$2,280,576					
March 2020 - actual	2,080,723	($542,342)	($57,884)	$400,373	$0	($199,853)
April 2020 - actual	2,576,867	198,269	22,469	275,406	0	496,144
May 2020 - actual	3,180,854	263,866	26,727	313,394	0	603,987
June 2020 - actual	3,332,298	(50,274)	(6,671)	208,389	0	151,444
July 2020 - forecast	2,960,457	(174,894)	2,886	(199,833)	0	(371,841)
August 2020 - forecast	2,536,192	(193,243)	1,999	(233,021)	0	(424,265)
September 2020 - forecast	2,336,999	(71,363)	6,678	(134,508)	0	(199,193)
October 2020 - forecast	2,540,167	231,066	16,005	(43,903)	0	203,168
November 2020 - forecast	2,680,043	179,745	15,444	(55,313)	0	139,876
December 2020 - forecast	2,311,078	(139,040)	3,578	(233,503)	0	(368,965)
January 2021 - forecast	1,665,125	(407,272)	567	(239,248)	0	(645,953)
February 2021 - forecast	1,152,673	(332,621)	1,077	(180,908)	0	(512,452)
March 2021 - forecast	1,053,353	(13,020)	18,349	(104,649)	0	(99,320)
April 2021 - forecast	1,263,006	143,282	13,769	52,602	0	209,653
May 2021 - forecast	1,430,523	209,289	14,188	(55,960)	0	167,517
June 2021 - forecast	$ 1,158,966	6,443	2,092	(280,092)	0	($271,557)

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	($86,728)					
March 2020 - actual	(234,402)	($97,924)	($9,094)	($40,656)	$0	($147,674)
April 2020 - actual	(399,194)	(93,739)	(9,066)	(61,987)	0	(164,792)
May 2020 - actual	(553,737)	(87,410)	(8,677)	(58,456)	0	(154,543)
June 2020 - actual	(605,586)	(41,045)	(4,402)	(6,402)	0	(51,849)
July 2020 - forecast	(498,486)	65,789	7,865	33,446	0	107,100
August 2020 - forecast	(396,347)	63,966	7,741	30,432	0	102,139
September 2020 - forecast	(363,343)	26,485	3,710	2,809	0	33,004
October 2020 - forecast	(385,141)	595	320	(22,713)	0	(21,798)
November 2020 - forecast	(379,628)	13,932	1,771	(10,190)	0	5,513
December 2020 - forecast	(284,642)	60,081	7,100	27,805	0	94,986
January 2021 - forecast	(129,697)	86,896	10,674	57,375	0	154,945
February 2021 - forecast	51,710	100,632	11,761	69,014	0	181,407
March 2021 - forecast	100,061	34,711	4,695	8,945	0	48,351
April 2021 - forecast	36,385	(26,550)	(2,141)	(34,985)	0	(63,676)
May 2021 - forecast	(33,312)	(25,245)	(2,248)	(42,204)	0	(69,697)
June 2021 - forecast	$ (60,107)	(7)	580	(27,368)	0	($26,795)

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$12,641					
March 2020 - actual	11,876	($2,864)	($414)	$2,513	$0	($765)
April 2020 - actual	12,921	(964)	(203)	2,212	0	1,045
May 2020 - actual	16,781	603	(55)	3,312	0	3,860
June 2020 - actual	32,685	6,591	490	8,823	0	15,904
July 2020 - forecast	19,925	1,123	281	(14,164)	0	(12,760)
August 2020 - forecast	6,261	1,084	283	(15,031)	0	(13,664)
September 2020 - forecast	(4,272)	1,817	321	(12,671)	0	(10,533)
October 2020 - forecast	(12,354)	3,057	362	(11,501)	0	(8,082)
November 2020 - forecast	(19,845)	2,906	357	(10,754)	0	(7,491)
December 2020 - forecast	(30,127)	1,930	335	(12,547)	0	(10,282)
January 2021 - forecast	(41,359)	863	318	(12,413)	0	(11,232)
February 2021 - forecast	(50,968)	1,346	341	(11,296)	0	(9,609)
March 2021 - forecast	(60,849)	2,055	357	(12,293)	0	(9,881)
April 2021 - forecast	(65,849)	3,064	381	(8,445)	0	(5,000)
May 2021 - forecast	(71,465)	3,996	451	(10,063)	0	(5,616)
June 2021 - forecast	$ (83,121)	2,173	305	(14,134)	0	($11,656)

(Over) / Under Recovery of Fuel Costs
JUNE 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	125,919	66,496	45,498	$237,913
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.02	99.56	
46	Billed S.C. DERP incremental revenue	Input	$139,946	$65,474	$22,132	$227,552
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($14,027)	$1,022	23,366	$10,361
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($14,027)	$1,022	$23,366	$10,361

Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2020	$45,020	
March 2020 - actual	22,698	($22,322)
April 2020 - actual	19,428	(3,270)
May 2020 - actual	14,695	(4,733)
June 2020 - actual	25,056	10,361
July 2020 - forecast	118,216	93,159
August 2020 - forecast	218,045	99,829
September 2020 - forecast	325,093	107,048
October 2020 - forecast	436,503	111,410
November 2020 - forecast	556,231	119,728
December 2020 - forecast	683,257	127,026
January 2021 - forecast	814,675	131,418
February 2021 - forecast	946,067	131,393
March 2021 - forecast	1,077,566	131,499
April 2021 - forecast	1,209,434	131,868
May 2021 - forecast	1,341,549	132,115
June 2021 - forecast	$ 1,473,736	$132,187

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of 2.090 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .697 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/19 approved residential rate of .075 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .003 and RECD 5% discount.

Duke Energy Progress
Fuel and Fuel Related Cost Report
JUNE 2020

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$286,817	$1,416,912	-	-	-	-	-
Oil	157,687	663,950	-	-	-	-	-
Gas - CC	-	-	($2,936,678)	$14,877,599	$10,319,644	$7,088,314	-
Gas - CT	-	-	605,488	2,880,775	159,297	-	-
Biogas	-	-	-	515,698	(700)	-	-
Total	$444,504	$2,080,862	($2,331,190)	$18,274,072	$10,478,241	$7,088,314	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	-	452.01	-	-	-	-	-
Oil	1,182.77	1,406.70	-	-	-	-	-
Gas - CC	-	-	(195.08)	280.62	380.80	379.85	-
Gas - CT	-	-	317.28	280.67	2,009.80	-	-
Biogas	-	-	-	2,695.61	-	-	-
Weighted Average	INF.	576.95	(137.43)	287.90	385.55	379.85	-
Cost of Fuel Burned ($)							
Coal	$6,240,841	$27,267,282	-	-	-	-	-
Oil - CC	-	-	-	$70	-	-	-
Oil - Steam/CT	265,623	663,812	$2,399	55,700	$2,271	-	-
Gas - CC	-	-	(2,936,678)	14,877,599	10,319,644	$7,088,314	-
Gas - CT	-	-	605,488	2,880,775	159,297	-	-
Biogas	-	-	-	515,698	(700)	-	-
Nuclear	-	-	-	-	-	-	-
Total	$6,506,464	$27,931,094	($2,328,791)	$18,329,842	$10,480,512	$7,088,314	-
Average Cost of Fuel Burned (¢/MBTU)							
Coal	349.79	400.27	-	-	-	-	-
Oil - CC	-	-	-	1,750.00	-	-	-
Oil - Steam/CT	1,356.33	1,367.81	1,518.35	1,662.69	502.43	-	-
Gas - CC	-	-	(195.08)	280.62	380.80	379.85	-
Gas - CT	-	-	317.28	280.67	2,009.80	-	-
Biogas	-	-	-	2,695.61	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	360.72	407.12	(137.28)	288.63	385.55	379.85	-
Average Cost of Generation (¢/kWh)							
Coal	4.74	4.08	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	18.39	-	16.99	19.20	5.34	-	-
Gas - CC	-	-	(1.31)	2.06	2.75	2.93	-
Gas - CT	-	-	3.54	2.78	21.37	-	-
Biogas	-	-	-	19.81	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	4.89	4.19	(0.97)	2.21	2.78	2.93	-
Burned MBTU's							
Coal	1,784,182	6,812,139	-	-	-	-	-
Oil - CC	-	-	-	4	-	-	-
Oil - Steam/CT	19,584	48,531	158	3,350	452	-	-
Gas - CC	-	-	1,505,397	5,301,777	2,709,964	1,866,065	-
Gas - CT	-	-	190,839	1,026,381	7,926	-	-
Biogas	-	-	-	19,131	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	1,803,766	6,860,670	1,696,394	6,350,643	2,718,342	1,866,065	-
Net Generation (mWh)							
Coal	131,613	667,628	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	1,445	(1,095)	14	290	42	-	(24)
Gas - CC	-	-	223,712	721,948	375,598	241,903	-
Gas - CT	-	-	17,120	103,488	746	-	-
Biogas	-	-	-	2,604	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)	-	-	-	-	-	-	-
Solar (Total System)	-	-	-	-	-	-	-
Total	133,058	666,533	240,846	828,330	376,386	241,903	(24)
Cost of Reagents Consumed ($)							
Ammonia	$25,723	$166,945	-	$20,620	-	-	-
Limestone	219,257	683,537	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	105,700	245,969	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	$350,680	$1,096,451	-	$20,620	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Asheville Steam was retired effective January 29, 2020.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME JUNE 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$1,703,729	$283,065,990
Oil	-	-	-	-	-	-	821,637	10,394,227
Gas - CC	-	-	-	-	-	-	29,348,879	530,918,742
Gas - CT	$12,985	$1,475,455	$16	-	-	-	5,134,016	73,810,030
Biogas	-	-	-	-	-	-	514,998	3,235,145
Total	$12,985	$1,475,455	$16	-	-	-	$37,523,259	$901,424,134
Average Cost of Fuel Purchased (¢/MBTU								
Coal	-	-	-	-	-	-	543.51	371.94
Oil	-	-	-	-	-	-	1,357.38	1,457.36
Gas - CC	-	-	-	-	-	-	257.83	372.94
Gas - CT	295.31	268.38	-	-	-	-	288.54	334.51
Biogas	-	-	-	-	-	-	2,691.96	2,791.49
Weighted Average	295.31	268.38	-	-	-	-	276.81	373.55
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$33,508,123	$272,789,328
Oil - CC	-	-	-	-	-	-	70	752,306
Oil - Steam/CT	$4,099	-	-	-	-	-	993,904	9,082,512
Gas - CC	-	-	-	-	-	-	29,348,879	530,918,742
Gas - CT	12,985	$1,475,455	$16	-	-	-	5,134,016	73,810,030
Biogas	-	-	-	-	-	-	514,998	3,235,145
Nuclear	-	-	-	$6,512,792	$3,669,730	$3,196,567	13,379,089	175,637,158
Total	$17,084	$1,475,455	$16	$6,512,792	$3,669,730	$3,196,567	$82,879,079	$1,066,225,221
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	389.80	346.23
Oil - CC	-	-	-	-	-	-	1,750.00	1,554.35
Oil - Steam/CT	1,722.27	-	-	-	-	-	1,374.45	1,412.94
Gas - CC	-	-	-	-	-	-	257.83	372.94
Gas - CT	295.31	268.38	-	-	-	-	288.54	334.51
Biogas	-	-	-	-	-	-	2,691.96	2,791.49
Nuclear	-	-	-	56.27	56.40	55.67	56.16	57.57
Weighted Average	368.59	268.38	-	56.27	56.40	55.67	181.46	194.18
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	4.19	3.76
Oil - CC	-	-	-	-	-	-	-	15.37
Oil - Steam/CT	81.51	-	-	-	-	-	146.75	20.45
Gas - CC	-	-	-	-	-	-	1.88	2.73
Gas - CT	11.70	2.93	-	-	-	-	2.99	3.56
Biogas	-	-	-	-	-	-	19.78	20.10
Nuclear	-	-	-	0.60	0.59	0.57	0.59	0.60
Weighted Average	14.73	2.93	-	0.60	0.59	0.57	1.70	1.80
Burned MBTU's								
Coal	-	-	-	-	-	-	8,596,321	78,788,724
Oil - CC	-	-	-	-	-	-	4	48,400
Oil - Steam/CT	238	-	-	-	-	-	72,313	642,809
Gas - CC	-	-	-	-	-	-	11,383,203	142,359,144
Gas - CT	4,397	549,771	-	-	-	-	1,779,314	22,064,913
Biogas	-	-	-	-	-	-	19,131	115,893
Nuclear	-	-	-	11,575,126	6,506,517	5,741,753	23,823,396	305,082,166
Total	4,635	549,771	-	11,575,126	6,506,517	5,741,753	45,673,682	549,102,049
Net Generation (mWh)								
Coal	-	-	-	-	-	-	799,242	7,263,413
Oil - CC	-	-	-	-	-	-	-	4,893
Oil - Steam/CT	5	-	-	-	-	-	677	44,411
Gas - CC	-	-	-	-	-	-	1,563,161	19,450,880
Gas - CT	111	50,320	(76)	-	-	-	171,708	2,072,679
Biogas	-	-	-	-	-	-	2,604	16,092
Nuclear	-	-	-	1,081,931	621,287	558,497	2,261,715	29,315,689
Hydro (Total System)	-	-	-	-	-	-	62,628	677,674
Solar (Total System)	-	-	-	-	-	-	23,341	252,342
Total	116	50,320	(76)	1,081,931	621,287	558,497	4,885,076	59,098,074
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$213,288	$1,791,868
Limestone	-	-	-	-	-	-	902,794	8,502,689
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	351,669	2,623,443
Urea	-	-	-	-	-	-	-	415,527
Total	-	-	-	-	-	-	$1,467,751	$13,333,527

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
JUNE 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	727,233	1,260,755	-	-	-	-	-
Tons received during period	-	13,060	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	71,373	270,201	-	-	-	-	-
Ending balance	655,860	1,003,614	-	-	-	-	-
MBTUs per ton burned	25.00	25.21	-	-	-	-	-
Cost of ending inventory ($/ton)	87.44	100.90	-	-	-	-	-
Oil Data:							
Beginning balance	299,822	386,908	4,457,239	8,007,140	2,608,517	-	756,285
Gallons received during period	96,608	342,025	-	-	-	-	-
Miscellaneous use and adjustments	(1,759)	(14,862)	-	-	-	-	-
Gallons burned during period	142,144	350,142	1,146	23,959	810	-	-
Ending balance	252,527	363,929	4,456,093	7,983,180	2,607,707	-	756,285
Cost of ending inventory ($/gal)	1.87	1.90	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	1,644,461	6,130,023	2,632,772	1,806,843	-
MCF burned during period	-	-	1,644,461	6,130,023	2,632,772	1,806,843	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	18,531	-	-	-
MCF burned during period	-	-	-	18,531	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	13,902	115,827	5,402	-	-	-	-
Tons received during period	-	483	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	3,872	15,649	-	-	-	-	-
Ending balance	10,030	100,661	5,402	-	-	-	-
Cost of ending inventory ($/ton)	56.32	40.73	68.57	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.
Asheville Steam was retired effective January 29, 2020.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
JUNE 2020

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME June 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,987,988	1,763,971
Tons received during period	-	-	-	-	-	-	13,060	3,013,971
Inventory adjustments	-	-	-	-	-	-	-	63,924
Tons burned during period	-	-	-	-	-	-	341,574	3,143,232
Ending balance	-	-	-	-	-	-	1,659,474	1,659,474
MBTUs per ton burned	-	-	-	-	-	-	25.17	25.07
Cost of ending inventory ($/ton)	-	-	-	-	-	-	95.51	95.51
Oil Data:								
Beginning balance	10,082,557	11,146,767	582,509	150,360	264,463	78,040	38,820,607	38,474,584
Gallons received during period	-	-	-	-	-	-	438,633	5,168,269
Miscellaneous use and adjustments	-	-	-	-	-	-	(16,621)	(146,252)
Gallons burned during period	1,713	-	-	5,938	2,491	-	528,343	4,782,325
Ending balance	10,080,844	11,146,767	582,509	144,422	261,972	78,040	38,714,275	38,714,275
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.31	2.31	2.31	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	4,289	532,863	-	-	-	-	12,751,251	159,174,654
MCF burned during period	4,289	532,863	-	-	-	-	12,751,251	159,174,654
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	18,531	112,149
MCF burned during period	-	-	-	-	-	-	18,531	112,149
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	135,131	119,136
Tons received during period	-	-	-	-	-	-	483	175,037
Inventory adjustments	-	-	-	-	-	-	-	12,499
Tons consumed during period	-	-	-	-	-	-	19,521	190,579
Ending balance	-	-	-	-	-	-	116,093	116,093
Cost of ending inventory ($/ton)	-	-	-	-	-	-	43.37	43.37

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JUNE 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	-	-
	CONTRACT	-	$2,090	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	284,727	-
	TOTAL	-	286,817	-
ROXBORO	SPOT	-	-	-
	CONTRACT	13,060	821,085	$62.87
	FIXED TRANSPORTATION/ADJUSTMENTS	-	595,827	-
	TOTAL	13,060	1,416,912	108.49
ALL PLANTS	SPOT	-	-	-
	CONTRACT	13,060	823,175	63.03
	FIXED TRANSPORTATION/ADJUSTMENTS	-	880,554	-
	TOTAL	13,060	$ 1,703,729	$ 130.45

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JUNE 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	-	-	-	-
ROXBORO	7.55	12.38	12,001	0.66

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JUNE 2020

	MAYO	ROXBORO
VENDOR	Greensboro Tank Farm & Spartanburg Tank Farm	Greensboro Tank Farm & Spartanburg Tank Farm
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	96,608	342,025
TOTAL DELIVERED COST	$ 157,687	$ 663,950
DELIVERED COST/GALLON	$ 1.63	$ 1.94
BTU/GALLON	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2019 - June, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,234,907	938	87.81	87.81
Brunswick 2	8,149,288	932	99.54	99.67
Harris 1	7,529,590	964	88.92	87.84
Robinson 2	6,401,904	750	97.18	93.44

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2019 through June, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,246,347	225	63.06	79.76
Lee Energy Complex	1B	1,282,300	227	64.31	81.95
Lee Energy Complex	1C	1,269,944	228	63.41	80.00
Lee Energy Complex	ST1	2,453,458	379	73.70	87.98
Lee Energy Complex	Block Total	6,252,049	1,059	67.21	83.22
Richmond County CC	7	1,039,169	194	60.98	82.93
Richmond County CC	8	1,015,154	194	59.57	81.57
Richmond County CC	ST4	1,179,205	182	73.76	90.16
Richmond County CC	9	1,320,980	216	69.62	78.67
Richmond County CC	10	1,335,685	216	70.40	78.59
Richmond County CC	ST5	1,775,460	248	81.50	87.78
Richmond County CC	Block Total	7,665,653	1,250	69.81	83.25
Sutton Energy Complex	1A	1,297,453	224	65.94	80.37
Sutton Energy Complex	1B	1,294,968	224	65.81	78.12
Sutton Energy Complex	ST1	1,596,928	271	67.08	86.09
Sutton Energy Complex	Block Total	4,189,349	719	66.33	81.82
Asheville CC	ACC CT5	541,600	185	36.45	83.44
Asheville CC	ACC CT7	490,895	187	35.94	90.75
Asheville CC	ACC ST6	217,412	92	35.80	71.39
Asheville CC	ACC ST8	114,908	92	18.92	87.12
Asheville CC	Block Total	1,364,815	557	33.56	84.59

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2019 through June, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,024,327	746	15.63	72.60
Roxboro 2	1,216,999	673	20.59	57.16
Roxboro 3	2,236,560	698	36.48	84.16
Roxboro 4	1,783,195	711	28.55	66.40

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2019 through June, 2020
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	341,083	192	34.80	98.14
Asheville	2	176,282	192	17.99	92.77
Roxboro	1	515,687	380	15.45	50.09

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2019 through June, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	390,847	358	91.20
Blewett CT	-715	68	97.08
Darlington CT	10,042	772	91.42
Richmond County CT	1,385,468	934	91.13
Sutton Fast Start CT	158,920	98	92.32
Wayne County CT	142,075	963	95.44
Weatherspoon CT	-266	164	79.95

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
July, 2019 through June, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	-421	27.0	0.00
Marshall	-307	4.0	5.11
Tillery	222,731	84.0	85.65
Walters	455,670	113.0	67.03

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.